Access, subject, 267–74
ALA print train, 199, 318
American Institute of Physics, 317
Analysis of Information Systems, The, 2d ed., Meadow (Review), 150–51
ANCIRS, 235
Anglo-American Cataloging Rules, 251–55
Application of Computer Technology to Library Processes, A Syllabus, Becker & Pulsifer (Review), 151–52
Application of the Variety-Generator Approach to Searches of Personal Names in Bibliographic Data Bases—Part 1. Microstructure of Personal Authors' Names, Fokker & Lynch, 105–18
Application of the Variety-Generator Approach to Searches of Personal Names in Bibliographic Data Bases—Part 2. Optimization of Key-Sets, and Evaluation of Their Retrieval Efficiency, Fokker & Lynch, 201–13
Arms, W. Y: *A Simulation Model for Purchasing Duplicate Copies in a Library,* 73–82
Atherton, Pauline A., 326–27
Australian MARC Specification, National Library of Australia (Review), 327–29
Automated Periodicals System at a Community College Library, Harp & Heard, 83–96
Automatic format recognition, 27–42
Automatic Format Recognition of MARC Bibliographic Elements: A Review and Projection, Butler, 27–42
Avram, Henriette D.: *The Library of Congress View on Its Relation to the ALA MARC Advisory Committee,* 119–25
Avram, Henriette D.: *Principles of Format Design,* 161–67

BALLOTS, 99, 316–17, 333
Basic assembly language, 94
Becker, Joseph: *Application of Computer Technology to Library Processes, A Syllabus* (Review), 151–52
Beeler, M. G. Fancher (See Herling)
Bewley, Lois M., 67
BIBNET, 147–48
BIKAS, 169, 174
Binary Vector as the Basis of an Inverted Index File, The, King, 307–14
BNB MARC, 170, 176, 179
Bochum, University of, 169, 171–72, 174
Book catalogs, production, 190
Book Reviews, 66–67, 150–53, 240–42, 324–29
Book usage, models, 73–82
Bookstein, Abraham: *A Hybrid Access Method for Bibliographic Records,* 97–104
Bottle, R. T., 324
Bowden, Virginia M.: *MARCIVE: A Cooperative Automated Library System,* 183–200
Brophy, P.: *A Library Management Game: A Report on a Research Project* (Review), 242
Brown, Jack E., 326
Buckland, M. K. (See Brophy)
Butler, Brett: *Automatic Format Recognition of MARC Bibliographic Elements: A Review and Projection,* 27–42

California Institute of Technology Science Library, 145–47
California Institute of Technology Space Photography Lab, 290–306
California State University and Colleges, 144
Canadian MARC, 170, 171–72, 174, 176
Case Studies in Library Computer Systems, Palmer (Review), 240
Catalog cards, computer production, 190
Cataloging, automated systems, 183–200
CDC 915 page reader, 64
Circulation System at the University of Missouri-Columbia Library: An Evolutionary Approach, The, McCollum & Sievert, issue eds. (Review), 325–26
Clark, Alice S.: *Subject Access to a Data Base of Library Holdings,* 267–74
COM, 263–66, 270–74
  patron evaluation, 272–74
COMPENDEX, 236
Computer-Accessed Microfiche Library, A, Zimmermann, 290–306
Computer-Based Reference Service, Mathies & Watson (Review), 324–25
Computer Output Microfilm Serials List for Patron Use, A, Saffady, 263–66
Computer output microform (See COM)
Computer Systems in the Library: A Handbook for Managers and Designers, Swihart & Hefley (Review), 66–67

Access, subject, 267–74
ALA print train, 199, 318
American Institute of Physics, 317
Analysis of Information Systems, The, 2d ed., Meadow (Review), 150–51
ANCIRS, 235
Anglo-American Cataloging Rules, 251–55
Application of Computer Technology to Library Processes, A Syllabus, Becker & Pulsifer (Review), 151–52
Application of the Variety-Generator Approach to Searches of Personal Names in Bibliographic Data Bases—Part 1. Microstructure of Personal Authors' Names, Fokker & Lynch, 105–18
Application of the Variety-Generator Approach to Searches of Personal Names in Bibliographic Data Bases—Part 2. Optimization of Key-Sets, and Evaluation of Their Retrieval Efficiency, Fokker & Lynch, 201–13
Arms, W. Y: *A Simulation Model for Purchasing Duplicate Copies in a Library,* 73–82
Atherton, Pauline A., 326–27
Australian MARC Specification, National Library of Australia (Review), 327–29
Automated Periodicals System at a Community College Library, Harp & Heard, 83–96
Automatic format recognition, 27–42
Automatic Format Recognition of MARC Bibliographic Elements: A Review and Projection, Butler, 27–42
Avram, Henriette D.: *The Library of Congress View on Its Relation to the ALA MARC Advisory Committee,* 119–25
Avram, Henriette D.: *Principles of Format Design,* 161–67

BALLOTS, 99, 316–17, 333
Basic assembly language, 94
Becker, Joseph: *Application of Computer Technology to Library Processes, A Syllabus* (Review), 151–52
Beeler, M. G. Fancher (See Herling)
Bewley, Lois M., 67
BIBNET, 147–48
BIKAS, 169, 174
Binary Vector as the Basis of an Inverted Index File, The, King, 307–14
BNB MARC, 170, 176, 179
Bochum, University of, 169, 171–72, 174
Book catalogs, production, 190
Book Reviews, 66–67, 150–53, 240–42, 324–29
Book usage, models, 73–82
Bookstein, Abraham: *A Hybrid Access Method for Bibliographic Records,* 97–104
Bottle, R. T., 324
Bowden, Virginia M.: *MARCIVE: A Cooperative Automated Library System,* 183–200
Brophy, P.: *A Library Management Game: A Report on a Research Project* (Review), 242
Brown, Jack E., 326
Buckland, M. K. (See Brophy)
Butler, Brett: *Automatic Format Recognition of MARC Bibliographic Elements: A Review and Projection,* 27–42

California Institute of Technology Science Library, 145–47
California Institute of Technology Space Photography Lab, 290–306
California State University and Colleges, 144
Canadian MARC, 170, 171–72, 174, 176
Case Studies in Library Computer Systems, Palmer (Review), 240
Catalog cards, computer production, 190
Cataloging, automated systems, 183–200
CDC 915 page reader, 64
Circulation System at the University of Missouri-Columbia Library: An Evolutionary Approach, The, McCollum & Sievert, issue eds. (Review), 325–26
Clark, Alice S.: *Subject Access to a Data Base of Library Holdings,* 267–74
COM, 263–66, 270–74
  patron evaluation, 272–74
COMPENDEX, 236
Computer-Accessed Microfiche Library, A, Zimmermann, 290–306
Computer-Based Reference Service, Mathies & Watson (Review), 324–25
Computer Output Microfilm Serials List for Patron Use, A, Saffady, 263–66
Computer output microform (See COM)
Computer Systems in the Library: A Handbook for Managers and Designers, Swihart & Hefley (Review), 66–67

Computing, academic, 13–14
administrative, 13
Conant, Ralph W., ed.: *The Metropolitan Library* (Review), 67
CONSER, 249–62
Costs, cataloging system, 196–97, 198
input, 29–30
on-line search, 299–300
periodicals control, 95–96
Council of Research and Academic Libraries, 199–200
Current Awareness and the Chemist, A Study of the Use of CA Condensates by Chemists, Duncan (Review), 324

Darome Edu-Com communications unit, 234–35
Data compression, 310–12
Dean, B. V. (See Herling)
Delivery of library materials, 275–89
cost-effectiveness, 281–83
Delphi method, 279–80
Deutsche Bibliographie, 169, 171–73, 174
Digital Equipment Corporation System 10 computer, 291
Disc Operating System, 184
DJ News-Recall, 235–36
Duncan, Elizabeth E.: *Current Awareness and the Chemist, A Study of the Use of CA Condensates by Chemists* (Review), 324

Editorials, 3–4, 71–72, 159–60, 247–48
Engineering Index, 317
ERIC Clearinghouse on Information Resources, 56
ERIC Data Base Users Conference, 317–18

Fasana, Paul J.: *Impact of National Developments on Library Technical Services and Public Services,* 249–62
Fayen, E. G. (See Lancaster)
File organization, 97, 212
Filing fields, creation of, 170–79
Fokker, Dirk W.: *Application of the Variety-Generator Approach to Searches of Personal Names in Bibliographic Data Bases—Part 1. Microstructure of Personal Authors' Names,* 105–18
Fokker, Dirk W.: *Application of the Variety-Generator Approach to Searches of Personal Names in Bibliographic Data Bases—Part 2. Optimization of Key-Sets, and Evaluation of Their Retrieval Efficiency,* 201–13
Ford, G. (See Brophy)
Format design, 119–25, 161–67
FORTRAN, 77

Goossens, Paula: *Techniques for Special Processing of Data within Bibliographic Text,* 168–82
Gould Beta COM 700L recorder, 264

Harp, Vivian: *Automated Periodicals System at a Community College Library,* 83–96
Hashing technique, 99–103
Hawaii State Library, 145
Heard, Gertrude (See Harp)
Hefley, Beryl F. (See Swihart)
Herling, J. P.: *Improved Delivery of Library Materials: The Cleveland Experience,* 275–89
Highlights of ISAD Board Meeting, ISAD Board of Directors, 43–55, 214–25
Hindle, A. (See Brophy)
Hybrid Access Method for Bibliographic Records, A, Bookstein, 97–104

IBM 360 computer system, 9, 310
IBM 360/44 computer system, 184
IBM 370/135 computer system, 94
IBM 370/155 computer system, 184
IBM 2314 disc storage, 313
IBM 2741 typewriter terminal, 194
IBM TN train, 190
ICL 1904A computer system, 77
Image Systems, 291, 299
Impact of National Developments on Library Technical Services and Public Services, Fasana, 249–62
Improved Delivery of Library Materials: The Cleveland Experience, Herling, Beeler, Reisman, & Dean, 275–89
Indiana Cooperative Library Services Authority, 316
Information Dynamics Corp., 147–48, 319
Information Retrieval: On-Line, Lancaster & Fayen (Review), 326–27
Information Systems, Services and Centers, Weisman (Review), 240–41
INSPEC data base, 105, 107, 202
Institute for Scientific Information, 318
Institute of Library Research, 27–42
Institutional Political and Fiscal Factors in the Development of Library Automation, 1967–71, Veaner, 5–26
Instructions to Authors, 154–55, 330–31
International Serials Data System, 249–62
International Standard Bibliographic Description, 163, 249–62
International Standard Serial Number, 254, 259
International standards, 249–62
Inverted files, 98–99, 307–14

ISAD Board of Directors: *Highlights of ISAD Board Meeting*, 43–55, 214–25
ISAD Bylaws and Organization Committee, 47, 217
ISAD COLA Discussion Group, 53–54, 222
ISAD Committee on Technical Standards for Library Automation, 47, 54-55, 126–38, 141–43, 224, 236–39, 319–21
ISAD Editorial Board, 219, 223–24
ISAD History Committee, 43–44, 215
ISAD Membership Survey Committee, 55, 220
ISAD Program Planning Committee, 48, 218–19
ISAD Telecommunications Committee, 48–49, 217–18, 221
ISAD/LED Education Committee, 50, 224–25

James Cook University of North Queensland library, 57
Junior College District of St. Louis, 144–45

Kershner, Lois M., 325–26
Key word index, 145–47
King, Donald R.: *The Binary Vector as the Basis of an Inverted Index File*, 307–14
Knowing Books and Men; Knowing Computers, Too, Shera (Review), 241–42
Kraus, David H.: *National Science Information Systems, A Guide to Science Information Systems in Bulgaria, Czechoslovakia, Hungary, Poland, Rumania, and Yugoslavia* (Review), 326

Lancaster, F. W., 150–51
Lancaster, F. W.: *Information Retrieval: On-Line* (Review), 326–27
LARC Reports, Vol. 6, Issue 1. *On-Line Cataloging and Circulation at Western Kentucky University: An Approach to Automated Instructional Resources Management* (Review), 152–53
Library Council of Greater Cleveland, 275–76
Library Management Game: A Report on a Research Project, A, Brophy, Buckland, Ford, Hindle, & Mackenzie (Review), 242
Library of Congress, 27–42, 119–25
Library of Congress View on Its Relation to the ALA MARC Advisory Committee, The, Avram, 119–25
Light pen, 226–27
Lynch, Michael F. (See Fokker)

McCollum, Sue, issue ed.: *The Circulation System at the University of Missouri-Columbia Library: An Evolutionary Approach* (Review), 325–26
Mackenzie, A. G. (See Brophy)
Malinconico, S. Michael, 159–60
Management of computing resources, 5–26
MARBI (See RTSD/ISAD/RASD Committee on Representation in Machine-Readable Form of Bibliographic Information)
MARC communications format, 27–42, 57–60, 119–25, 164, 170, 183, 185–86, 255
MARC LC internal format, 170, 171–72, 175–76, 179
MARC serials format, 60–64
MARC Users' Discussion Group, 47–48
MARCIVE: A Cooperative Automated Library System, Bowden & Miller, 183–200
Martin, Susan K., 71–72, 247–48
Mathies, M. Lorraine: *Computer-Based Reference Service* (Review), 324–25
Meadow, Charles T.: *The Analysis of Information Systems*, 2d ed. (Review), 150–51
Memorex 1644 Autoviewer, 265
Metropolitan Library, The, Conant & Molz, eds. (Review), 67
Microfiche, computer accessed, 290–306
Miller, Ruby B. (See Bowden)
Molz, Kathleen (See Conant)
MONOCLE, 170, 174–75, 176
Moraine Valley Community College, 83–96

National Computer Program Abstract Service, 234
National Library of Australia: *Australian MARC Specification* (Review), 327–29
National Science Information Systems, A Guide to Science Information Systems in Bulgaria, Czechoslovakia, Hungary, Poland, Rumania, and Yugoslavia, Kraus, Zunde, & Slamecka (Review), 326
National serials data base, 60–64, 249–62
National Serials Data Program, 62, 256–57
National standards, 119–25, 249–62
Networks and Disciplines; Proceedings of

the EDUCOM Fall Conference (Review), 150
New York Public Library, 170, 171–72, 179, 227–28

Ohio College Library Center, 27–42, 116, 197–99
Ohio State University Libraries, 267–74
On-Line Cataloging and Circulation at Western Kentucky University: An Approach to Automated Instructional Resources Management, The LARC Reports, Vol. 6, Issue 1 (Review), 152–53
Operating System, 184
Operations research, 278–79
Original format recognition, 31–32
Overmyer, LaVahn, 152–53

Palmer, Richard Phillips: *Case Studies in Library Computer Systems* (Review), 240
Parker, Patricia E., 327–29
PDP-8/L minicomputer, 264
Periodicals control, systems, 83–96
  costs, 95–96
Piternick, George, 241–42
PL/1, 313
Principles of Format Design, Avram & Rather, 161–67
Pulsifer, Josephine S. (See Becker)
Purchasing model, 73–82

Quetelet Fonds, 169, 176–77

Rather, Lucia J. (See Avram)
RECON Pilot Project, 140–41
Record format, 85–86
Reisman, A. (See Herling)
Retrieval effectiveness, 205–8
Roberts, Justine, 240–41
Rothstein, Samuel, 324–25
RTSD/ISAD/RASD Committee on Representation in Machine-Readable Form of Bibliographic Information, 47, 49, 51–53, 119–25, 219, 221–22

Saffady, William: *A Computer Output Microfilm Serials List for Patron Use,* 263–66
SALINET, 228–29
Search keys, 97–104, 187
  for personal names, 105–18, 201–13
  for subject access, 267–70
Search strategy, 267–74, 292
Serials, computer output microform, 263–66
Shank, Russell, 150
Shera, Jesse H.: *Knowing Books and Men; Knowing Computers, Too* (Review), 241–42
Sievert, Charles R. (See McCollum)
Simmons, Peter, 66–67, 151–52, 240
Simulation, 75–77, 283–85
Simulation Model for Purchasing Duplicate Copies in a Library, A, Arms & Walter, 73–82
Slamecka, Vladimir (See Kraus)
Snowball, George J., 242
SOLINET, 144, 148–49
Standards, 126–38
  procedures, 128–31
Standards for Library Automation and ISAD's Committee on Technical Standards for Library Automation (TESLA), 126–38
Storage techniques, 307–10
Subject Access to a Data Base of Library Holdings, Clark, 267–74
SUPERMARC, 162–63
Sussex Library, 73–82
Swihart, Stanley J.: *Computer Systems in the Library: A Handbook for Managers and Designers* (Review), 66–67
System Development Corp., 143–44, 318, 319

Technical Communications, 56–65, 139–49, 226–39, 315–23
Techniques for Special Processing of Data within Bibliographic Text, Goossens, 168–82
Technological unemployment, 49–50
Tighe, Ruth L., 3–4
Trinity University Library, 183–200

University of South Carolina, 226–27
University of Texas Health Science Center at San Antonio, 183–200

Variety generators, 105–18, 201–13
Veaner, Allen B.: *Institutional Political and Fiscal Factors in the Development of Library Automation, 1967–71,* 5–26

Walter, T. P. (See Arms)
Watson, Peter G. (See Mathies)
Wayne State University Libraries, 263–66
Weisman, Herman M.: *Information Systems, Services and Centers* (Review), 240–41

Zimmermann, R. G. J.: *A Computer-Accessed Microfiche Library,* 290–306
Zunde, Pranas (See Kraus)

CONTENTS

MARCH

3	*Guest Editorial*	Ruth L. TIGHE
5	*Institutional Political and Fiscal Factors in the Development of Library Automation, 1967–71*	Allen B. VEANER
27	*Automatic Format Recognition of MARC Bibliographic Elements: A Review and Projection*	Brett BUTLER
43	*Highlights of ISAD Board Meeting*	ISAD BOARD OF DIRECTORS
56	*Technical Communications*	
66	*Book Reviews*	

JUNE

71	*Editorial*	Susan K. MARTIN
73	*A Simulation Model for Purchasing Duplicate Copies in a Library*	W. Y. ARMS and T. P. WALTER
83	*Automated Periodicals System at a Community College Library*	Vivian HARP and Gertrude HEARD
97	*A Hybrid Access Method for Bibliographic Records*	Abraham BOOKSTEIN
105	*Application of the Variety-Generator Approach to Searches of Personal Names in Bibliographic Data Bases—Part 1. Microstructure of Personal Authors' Names*	Dirk W. FOKKER and Michael F. LYNCH
119	*The Library of Congress View on Its Relation to the ALA MARC Advisory Committee*	Henriette D. AVRAM
126	*Standards for Library Automation and ISAD's Committee on Technical Standards for Library Automation (TESLA)*	
139	*Technical Communications*	
150	*Book Reviews*	
154	*Instructions to Authors*	

SEPTEMBER

159	*Editorial*	S. Michael MALINCONICO
161	*Principles of Format Design*	Henriette D. AVRAM and Lucia J. RATHER
168	*Techniques for Special Processing of Data within Bibliographic Text*	Paula GOOSSENS
183	*MARCIVE: A Cooperative Automated Library System*	Virginia M. BOWDEN and Ruby B. MILLER
201	*Application of the Variety-Generator Approach to Searches of Personal Names in Bibliographic Data Bases—Part 2. Optimization of Key-Sets, and Evaluation of Their Retrieval Efficiency*	Dirk W. FOKKER and Michael F. LYNCH
214	*Highlights of ISAD Board Meeting*	ISAD BOARD OF DIRECTORS
226	*Technical Communications*	
240	*Book Reviews*	

DECEMBER

247	*Editorial*	Susan K. MARTIN
249	*Impact of National Developments on Library Technical Services and Public Services*	Paul J. FASANA
263	*A Computer Output Microfilm Serials List for Patron Use*	William SAFFADY
267	*Subject Access to a Data Base of Library Holdings*	Alice S. CLARK
275	*Improved Delivery of Library Materials: The Cleveland Experience*	J. P. HERLING, M. G. Fancher BEELER, A. REISMAN, and B. V. DEAN
290	*A Computer-Accessed Microfiche Library*	R. G. J. ZIMMERMANN
307	*The Binary Vector as the Basis of an Inverted Index File*	Donald R. KING
315	*Technical Communications*	
324	*Book Reviews*	
330	*Instructions to Authors*	
332	*Index to Volume 7*	